

SWALLOW.

A NEW  
*Ephemerides*  
ALMANACK

for the Year of our  
LORD GOD  
1701.

Being the First after Bissextile or Leap-  
Year, and from the Worlds Creation,  
1703.

Calculated properly for the famous  
University and Town of Cambridge, where  
the North-Pole is elevated 52 degr.  
12 min. above the Horizon.

And may serve indifferently for any other  
place of this Kingdom.

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*Omnia false metit tempus.*

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CAMBRIDGE,  
Printed by John Hayes, Printer to  
the University, 1701.

# The Vulgar Notes and moveable Feasts for the

Year 1701, in both Accounts viz,

Julian or  
English.

Gregorian or  
Forreign.

|         |    |                       |            |
|---------|----|-----------------------|------------|
|         | II | The Golden Number     | II         |
|         | Ⓢ  | The Dominical Letters | Ⓢ          |
|         | 1  | The Epact             | 20         |
|         | 2  | The Cycle of the Sun  | 10         |
| March   | 2  | Shrove-sunday         | Febr. 6    |
| April   | 20 | Easter-day            | March 27   |
| May     | 29 | Ascension-day         | May 5      |
| June    | 8  | Whitsun-day           | May 15     |
| Novemb. | 30 | Advent-sunday         | Novemb. 27 |

## The Anatomy of Man's Body.



|                             |                          |
|-----------------------------|--------------------------|
| ♈ Aries Head and Face       | ♐ Libra Reins and Loyns  |
| ♉ Taurus Neck and Throat    | ♏ Scorpio Secret Members |
| ♊ Gemini Arms and Should.   | ♐ Sagittarius the Thighs |
| ♋ Cancer Breast and Stomach | ♑ Capricornus the Knees  |
| ♌ Leo Heart and Back        | ♒ Aquarius the Legs      |
| ♍ Virgo Bowels and Belly    | ♓ Pisces the Feet.       |

A

# A Table of the Terms with their Returns.

Hilary Term begins January 23, and ends February 12, and hath 4 returns, viz.

|               |          |
|---------------|----------|
| Octab. Hilar. | Jan. 26  |
| Quind. Hilar. | Jan. 27  |
| Craft. Purif. | Febr. 3  |
| Octab. Purif. | Febr. 10 |

Easter Term begins May 7, ends June 2, and hath 5 returns, viz.

|               |        |
|---------------|--------|
| Quind. Pasch. | May 5  |
| Tres Pasch.   | May 12 |
| Mens. Pasch.  | May 19 |
| Quinq. Pasch. | May 26 |
| Craft. Ascen. | May 30 |

Trinity Term begins June 21, and ends July 9, and hath 4 returns, viz.

|              |         |
|--------------|---------|
| Craft. Trin. | June 16 |
| Octab. Trin. | June 23 |
| Quind. Trin. | June 30 |
| Tres Trin    | July 7  |

Michaelmas Term begins October 23, and ends November the 28, and hath 6 returns, viz.

|              |           |
|--------------|-----------|
| Tres Mich.   | Octob. 20 |
| Mens. Mich.  | Octob. 27 |
| Craft. Anim. | Novem. 3  |
| Craft. Mart. | Novem. 12 |
| Octab. Mart. | Novem. 18 |
| Quind. Mart. | Novem. 25 |

## Times prohibiting Marriage.

Marriage comes in on the 13 day of January, and at Septuagesima Sunday it is out again untill Low-sunday; at which time it comes in again, and goes not out till Rogation-sunday: thence it is forbidden untill Trinity-sunday, from whence it is unforbidden till Advent-sunday: but then it goes out, and comes not in again till the 13 day of January next following.

Note that the Exchequer openeth 8 days before any Term begins except the Term of Trinity, in which it openeth but 4 days before.

# January hath xxxi days.

First quarter the 5 day, at 9 at night.  
 Full moon the 13 day, at 6 in the morning.  
 Last quarter the 20 day, about 3 in the afternoon.  
 New moon the 28 day, at 1 in the morning.

|    |   |                            |        |    |        |    |               |
|----|---|----------------------------|--------|----|--------|----|---------------|
| 1  | a | Circumcision               | 22     | 14 | Aquar. | 28 |               |
| 2  | b | O <sup>o</sup> ab. Steph.  | 23     | 16 | Pisces | 10 |               |
| 3  | c | O <sup>o</sup> ab. John.   | 24     | 17 |        | 22 | Good weather  |
| 4  | d | O <sup>o</sup> ab. Innoc.  | 25     | 18 | Aries  | 3  | begins the    |
| 5  | e | 2 after Christ.            | 26     | 19 |        | 15 | year.         |
| 6  | f | Epiphany                   | 27     | 20 |        | 28 |               |
| 7  | g | Juliana                    | 28     | 22 | Taur.  | 10 |               |
| 8  | a | Marcellin.                 | 29     | 23 |        | 23 |               |
| 9  | b | Santa Aquar.               | omz 25 | 25 | Gem.   | 7  |               |
| 10 | c | Agathon                    | 1      | 26 |        | 20 |               |
| 11 | d | Hyginus                    | 2      | 26 | Canc.  | 4  | Somewhat      |
| 12 | e | 1 after Epiph.             | 3      | 27 |        | 19 | cool with     |
| 13 | f | Hillary B.                 | 4      | 28 | Leo    | 4  | rain or snow. |
| 14 | g | Felix                      | 5      | 29 |        | 19 |               |
| 15 | a | Marcellinus                | 6      | 30 | Virgo  | 3  |               |
| 16 | b | Marcellus                  | 7      | 31 |        | 18 |               |
| 17 | c | Anthony                    | 8      | 32 | Libra  | 3  |               |
| 18 | d | Prisca                     | 9      | 33 |        | 17 |               |
| 19 | e | 2 after Epiph.             | 10     | 34 | Scorp. | 1  |               |
| 20 | f | O <sup>o</sup> ab. Hillar. | 11     | 35 |        | 14 | Gloomy and    |
| 21 | g | Agatha                     | 12     | 36 |        | 27 | cold about    |
| 22 | a | Vincent                    | 13     | 37 | Sagit. | 11 | this time.    |
| 23 | b | Term begins                | 14     | 38 |        | 23 |               |
| 24 | c | Timothy                    | 15     | 39 | Capr.  | 6  |               |
| 25 | d | Conv. S. Paul              | 16     | 39 |        | 18 |               |
| 26 | e | 3 after Epiph.             | 17     | 40 | Aquar. | 0  |               |
| 27 | f | Quind. Hillar.             | 18     | 41 |        | 12 |               |
| 28 | g | Cato Mag.                  | 19     | 42 |        | 24 | Sharp air     |
| 29 | a | Valerius                   | 20     | 43 | Pisces | 6  | with frost.   |
| 30 | b | K. Ch. L. mar.             | 21     | 43 |        | 18 |               |
| 31 | c | Cyriacus                   | 22     | 44 | Aries  | 0  |               |



# February hath xxviii days.

First quarter the 4 day, at 1 afternoon.  
 Full moon the 11 day, at 10 at night.  
 Last quarter the 19 day, about 7 in the morning.  
 New moon the 26 day, at 7 at night.

| D. | M. | Festivals<br>with terms. | ☉ place |    | Moons<br>place. | Inclination of<br>the air. |
|----|----|--------------------------|---------|----|-----------------|----------------------------|
|    |    |                          | d.      | m. |                 |                            |
| 1  | D  | Bridget                  | 23      | 45 | Aries 12        |                            |
| 2  | C  | Purif. V. M.             | 24      | 45 | 24              |                            |
| 3  | F  | Craft. Purif.            | 25      | 46 | Taur. 6         | Freezing                   |
| 4  | B  | Hieronica                | 26      | 47 | 19              | winds clearing             |
| 5  | A  | Agatha                   | 27      | 47 | Gem. 2          | the Air.                   |
| 6  | B  | Dorothe                  | 28      | 48 | 15              |                            |
| 7  | C  | Zachary                  | 29      | 48 | 28              |                            |
| 8  | D  | John in Pilos            | 0       | 48 | Canc. 13        |                            |
| 9  | C  | 5 after Epiph.           | 1       | 49 | 27              |                            |
| 10 | F  | Octab. Purif.            | 2       | 49 | Leo 12          | Good season-               |
| 11 | B  | Euphrosin                | 3       | 50 | 27              | able weather               |
| 12 | A  | Term ends                | 4       | 50 | Virgo 12        | about this                 |
| 13 | B  | Adelgund.                | 5       | 50 | 27              | time.                      |
| 14 | C  | Valentine                | 6       | 51 | Libra 12        |                            |
| 15 | D  | Functin                  | 7       | 51 | 27              |                            |
| 16 | C  | Septuagesima             | 8       | 51 | Scorp. 11       |                            |
| 17 | F  | Dioscorus                | 9       | 51 | 24              | Cold, with                 |
| 18 | B  | Cor cordia               | 10      | 51 | sagit. 8        | frost and some             |
| 19 | A  | Romin                    | 11      | 52 | 20              | snw.                       |
| 20 | B  | Philopet                 | 12      | 52 | Capr. 3         |                            |
| 21 | C  | Eliaz                    | 13      | 52 | 15              |                            |
| 22 | D  | Cath. Pet.               | 14      | 52 | 27              |                            |
| 23 | C  | Sexagesima               | 15      | 52 | Aquar. 9        |                            |
| 24 | F  | S. Mattheus              | 16      | 52 | 21              | More boiste-               |
| 25 | B  | Inv. Pauli               | 17      | 51 | Pisces 3        | rous, with                 |
| 26 | A  | Simoon B.                | 18      | 51 | 15              | snw or rain                |
| 27 | B  | Petron                   | 19      | 51 | 27              | at the end.                |
| 28 | C  | Roman                    | 20      | 51 | Aries 9         |                            |

# March hath xxxi days.

First quarter the 6 day, towards 10 at night.

Full moon the 14 day, at 7 in the morning.

Last quarter the 20 day, about 4 in the afternoon.

New moon the 28 day, at 10 at night.

|    |   |                 |    |    |        |    |                 |
|----|---|-----------------|----|----|--------|----|-----------------|
| 1  | D | Wass B.         | 21 | 51 | Aries  | 21 |                 |
| 2  | ☉ | Shrove sunday   | 22 | 50 | Taur.  | 3  |                 |
| 3  | f | Funigund.       | 23 | 50 |        | 15 | High winds      |
| 4  | B | Adrian          | 24 | 50 |        | 28 | with some       |
| 5  | a | Ash-wednesd     | 25 | 49 | Gem.   | 11 | battering       |
| 6  | b | Arabella        | 26 | 49 |        | 24 | storms of       |
| 7  | c | Herpetas        | 27 | 49 | Canc.  | 7  | snow or         |
| 8  | D | Cyprian         | 28 | 48 |        | 21 | rain.           |
| 9  | ☉ | Quadragesma     | 29 | 48 | Leo    | 6  |                 |
| 10 | f | Sun in Aries    | 30 | 47 |        | 20 |                 |
| 11 | B | Egastu          | 1  | 46 | Virgo  | 5  |                 |
| 12 | a | Ember week      | 2  | 46 |        | 21 |                 |
| 13 | b | Euphrasia       | 3  | 45 | Libra  | 6  | Some pinch-     |
| 14 | c | Eutychus        | 4  | 44 |        | 21 | ing frosty      |
| 15 | D | Longinus        | 5  | 44 | Scorp. | 6  | mornings a-     |
| 16 | ☉ | 2 Sun. in Lent  | 6  | 43 |        | 20 | bout this time. |
| 17 | f | Geprude         | 7  | 42 | Sagit. | 4  |                 |
| 18 | B | Edward R.       | 8  | 41 |        | 17 |                 |
| 19 | a | Joseph          | 9  | 40 | Capr.  | 0  |                 |
| 20 | b | Euthbert        | 10 | 39 |        | 12 |                 |
| 21 | c | Eleusius        | 11 | 38 |        | 24 | Variable wea-   |
| 22 | D | Euphrosia       | 12 | 37 | Aquar. | 6  | ther and        |
| 23 | ☉ | 3 sund. in Lent | 13 | 36 |        | 18 | Windy.          |
| 24 | f | Antirrhinus     | 14 | 35 | Pisces | 0  |                 |
| 25 | B | Lady day        | 15 | 34 |        | 12 |                 |
| 26 | a | Callistus       | 16 | 33 |        | 24 |                 |
| 27 | b | John Crim.      | 17 | 32 | Aries  | 6  |                 |
| 28 | c | Edmon           | 18 | 31 |        | 18 | Windy & dry     |
| 29 | D | Eustach.        | 19 | 30 | Taur.  | 0  | towards the     |
| 30 | ☉ | Midlent Sund.   | 20 | 28 |        | 12 | months end.     |
| 31 | f | Valentin        | 21 | 27 |        | 25 |                 |

# April hath xxx days.

First quarter the 5 day, near 2 in the morning.

Full moon the 12 day, at 11 before noon.

Last quarter the 19 day, about 8 at night.

New moon the 27 day, at 2 in the morning.

|    |          |                        |    |    |               |    |                |
|----|----------|------------------------|----|----|---------------|----|----------------|
| 1  | <b>g</b> | <b>Theodore</b>        | 22 | 26 | <b>Gem.</b>   | 7  |                |
| 2  | <b>a</b> | <b>Mar. Egypt.</b>     | 23 | 24 |               | 20 |                |
| 3  | <b>b</b> | <b>Alpian</b>          | 24 | 23 | <b>Canc.</b>  | 3  | Windy with     |
| 4  | <b>c</b> | <b>Embrose</b>         | 25 | 21 |               | 17 | some storms    |
| 5  | <b>d</b> | <b>Vincent</b>         | 26 | 20 | <b>Leo</b>    | 0  | of rain and    |
| 6  | <b>e</b> | <b>5 Sund. in Lent</b> | 27 | 18 |               | 15 | hail at the    |
| 7  | <b>f</b> | <b>Egeappus</b>        | 28 | 17 |               | 29 | beginning.     |
| 8  | <b>g</b> | <b>Dionysus</b>        | 29 | 15 | <b>Virgo</b>  | 14 |                |
| 9  | <b>a</b> | <b>Sun in Taur.</b>    | 0  | 13 |               | 29 |                |
| 10 | <b>b</b> | <b>Ezekiel</b>         | 1  | 12 | <b>Libra</b>  | 14 |                |
| 11 | <b>c</b> | <b>Leo</b>             | 2  | 10 |               | 29 |                |
| 12 | <b>d</b> | <b>Julius</b>          | 3  | 8  | <b>Scorp.</b> | 14 | Fine springing |
| 13 | <b>e</b> | <b>Palm Sunday</b>     | 4  | 7  |               | 28 | weather about  |
| 14 | <b>f</b> | <b>Aburthas</b>        | 5  | 5  | <b>Sagit.</b> | 12 | this time.     |
| 15 | <b>g</b> | <b>Perpetua</b>        | 6  | 3  |               | 25 |                |
| 16 | <b>a</b> | <b>Carinus</b>         | 7  | 1  | <b>Capr.</b>  | 8  |                |
| 17 | <b>b</b> | <b>Anicetus</b>        | 7  | 58 |               | 21 |                |
| 18 | <b>c</b> | <b>Good Friday</b>     | 8  | 55 | <b>Aquar.</b> | 3  |                |
| 19 | <b>d</b> | <b>Simon</b>           | 9  | 53 |               | 15 | Now windy      |
| 20 | <b>e</b> | <b>Easter day</b>      | 10 | 51 |               | 27 | and somewhat   |
| 21 | <b>f</b> | <b>Simco</b>           | 11 | 49 | <b>Pisces</b> | 9  | cold.          |
| 22 | <b>g</b> | <b>Quintin</b>         | 12 | 48 |               | 20 |                |
| 23 | <b>a</b> | <b>S. GEORGE</b>       | 13 | 47 | <b>Aries</b>  | 2  |                |
| 24 | <b>b</b> | <b>Albertus</b>        | 14 | 45 |               | 14 |                |
| 25 | <b>c</b> | <b>S. Mark</b>         | 15 | 43 |               | 27 |                |
| 26 | <b>d</b> | <b>Cletus</b>          | 16 | 41 | <b>Taur.</b>  | 9  | Good season-   |
| 27 | <b>e</b> | <b>Low-Sunday</b>      | 17 | 39 |               | 22 | able weather   |
| 28 | <b>f</b> | <b>Vitalis</b>         | 18 | 37 | <b>Gem.</b>   | 4  | concludes the  |
| 29 | <b>g</b> | <b>Pet. de mil.</b>    | 19 | 34 |               | 17 | month.         |
| 30 | <b>a</b> | <b>Q. M. 2. born</b>   | 20 | 22 | <b>Canc.</b>  | 0  |                |

# May hath xxxi days.

First quarter the 5 day, at 11 before noon.  
 Full moon the 11 day, at 8 at night.  
 Last quarter the 19 day, near 6 in the morning.  
 New moon the 25 day, at 3 in the afternoon.

|    |   |                  |    |    |              |      |                 |
|----|---|------------------|----|----|--------------|------|-----------------|
| 1  | b | Phil. & James    | 21 | 30 | Canc.        | 14   |                 |
| 2  | c | Schene           | 22 | 27 |              | 27   |                 |
| 3  | d | Invent. Crucis   | 23 | 25 | Leo          | 11   | Indifferent     |
| 4  | e | 2 after Easter   | 24 | 23 |              | 26   | good weather    |
| 5  | f | Quind. Pasch.    | 25 | 20 | Virgo        | 9    | at the begin-   |
| 6  | g | Joh. Port. Lat.  | 26 | 18 |              | 23   | ing.            |
| 7  | a | St. John begins  | 27 | 16 | Libra        | 8    |                 |
| 8  | b | Stenislav        | 28 | 13 |              | 23   |                 |
| 9  | c | Ephimach         | 29 | 11 | Scorp.       | 7    |                 |
| 10 | d | St. John's Cross | 30 | 8  |              | 22   | Now some-       |
| 11 | e | 3 after Easter   | 1  | 6  | Sagit.       | 6    | what cold,      |
| 12 | f | Tres Pasch.      | 2  | 3  |              | 20   | with battering  |
| 13 | g | Herbatus         | 3  | 1  | Capr.        | 3    | storms of rain  |
| 14 | a | Boniface         | 3  | 58 |              | 16   | or hail.        |
| 15 | b | Sophia           | 4  | 55 |              | 29   |                 |
| 16 | c | Meregrin.        | 5  | 53 | Aquar.       | 11   |                 |
| 17 | d | Corpetus         | 6  | 50 |              | 23   |                 |
| 18 | e | 4 after Easter   | 7  | 47 | Pisces       | 5    |                 |
| 19 | f | Mens Pasch.      | 8  | 45 |              | 17   | Not very        |
| 20 | g | Dunstan          | 9  | 42 |              | 29   | pleasant yet.   |
| 21 | a | Helena           | 10 | 39 | Aries        | 11   |                 |
| 22 | b | Hospitius        | 11 | 37 |              | 23   |                 |
| 23 | c | Deobertus        | 12 | 34 | Taur.        | 4    |                 |
| 24 | d | Esyer            | 13 | 31 |              | 18   |                 |
| 25 | e | Rogation Sun.    | 14 | 29 | Gem.         | 1    | Warm & plea-    |
| 26 | f | Quind. Pasch.    | 15 | 26 |              | 14   | sant, with some |
| 27 | g | Eda V.           | 16 | 23 |              | 27   | showers, and    |
| 28 | a | German           | 17 | 20 | Canc.        | - 10 | very likely     |
| 29 | b | Golden Day       | 18 | 17 | R. Ch. 2. n. |      | thunder.        |
| 30 | c | Craft. Ascen.    | 19 | 14 | Leo          | 8    |                 |
| 31 | d | Patronilla       | 20 | 11 |              | 21   |                 |

# June hath xxx days.

First quarter the 2 day, at 8 at night.

Full moon the 10 day, at 5 in the morning.

Last quarter the 17 day, about 2 in the afternoon.

New moon the 25 day, at 1 in the morning.

|    |                |    |    |          |    |               |
|----|----------------|----|----|----------|----|---------------|
| 1  | 6 after Easter | 21 | 9  | Virgo    | 5  |               |
| 2  | Terin ends     | 22 | 6  |          | 20 |               |
| 3  | Grasmus        | 23 | 3  | Libra    | 4  |               |
| 4  | Netroch        | 24 | 1  |          | 18 | Fine pleasant |
| 5  | Boniface       | 24 | 57 | Scorp.   | 2  | weather with  |
| 6  | Artemius       | 25 | 54 |          | 17 | some showers  |
| 7  | Paulus         | 26 | 51 | Sagit.   | 1  | about this    |
| 8  | Whit-Sunday    | 27 | 48 |          | 15 | time.         |
| 9  | Edmund.        | 28 | 46 |          | 28 |               |
| 10 | Getulius       | 29 | 43 | Capr.    | 11 |               |
| 11 | Barnabas       | 30 | 40 | Sun in S |    | Ember week    |
| 12 | Basilides      | 1  | 37 | Aquar.   | 7  |               |
| 13 | Cyrtillus      | 2  | 34 |          | 19 | Black clouds  |
| 14 | Flavicus       | 3  | 31 | Pisces   | 1  | with some     |
| 15 | Trinity Sund.  | 4  | 28 |          | 13 | thunder.      |
| 16 | Craft. Trin.   | 5  | 25 |          | 25 |               |
| 17 | Botolph        | 6  | 22 | Aries    | 7  |               |
| 18 | Pat. &c.       | 7  | 19 |          | 19 |               |
| 19 | Gerbase        | 8  | 16 | Taur.    | 1  |               |
| 20 | Term begins    | 9  | 13 |          | 13 |               |
| 21 | Welbure.       | 10 | 10 |          | 26 | Hot & dry.    |
| 22 | 1 after Trin.  | 11 | 7  | Gem.     | 9  |               |
| 23 | Octab. Trin.   | 12 | 4  |          | 22 |               |
| 24 | John Bapt.     | 13 | 1  | Canc.    | 6  |               |
| 25 | Amandus        | 13 | 58 |          | 19 |               |
| 26 | Jeremias       | 14 | 56 | Leo      | 4  |               |
| 27 | Sept. Dozm.    | 15 | 53 |          | 18 | Windy with    |
| 28 | Leo Days       | 16 | 50 | Virgo    | 2  | some showers  |
| 29 | Pet. & Paul    | 17 | 47 |          | 16 | at the end.   |
| 30 | Quind. Trin.   | 18 | 44 | Libra    | 1  |               |



# July hath xxxi days.

First quarter the 2 day, at 5 in the morning.  
 Full moon the 8 day, at 2 in the afternoon.  
 Last quarter the 16 day, about 1 in the morning.  
 New moon the 24 day, at 9 before noon.  
 First quarter the 31 day, at 5 in the afternoon.

|    |   |               |    |    |        |    |                 |
|----|---|---------------|----|----|--------|----|-----------------|
| 1  | G | Tr. Smith     | 19 | 41 | Libra  | 15 |                 |
| 2  | a | Visit. Mary   | 20 | 38 |        | 29 |                 |
| 3  | b | Cornelius     | 21 | 35 | Scorp. | 13 |                 |
| 4  | c | Mirisus       | 22 | 32 |        | 26 | Good hay        |
| 5  | d | Marina        | 23 | 30 | Sagit. | 10 | weather about   |
| 6  | e | 3 after Trin. | 24 | 27 |        | 23 | this time.      |
| 7  | f | Tr. Becket    | 25 | 24 | Capr.  | 7  |                 |
| 8  | g | Grimbald      | 26 | 21 |        | 20 |                 |
| 9  | a | Term ends     | 27 | 18 | Aquar. | 2  |                 |
| 10 | b | 7 Prates      | 28 | 15 |        | 15 |                 |
| 11 | c | Abbot, &c.    | 29 | 13 |        | 27 | Some showers    |
| 12 | d | Sun in Leo    | 0  | 10 | Pisces | 9  | with thunder.   |
| 13 | e | 4 after Trin. | 1  | 7  |        | 21 |                 |
| 14 | f | Bonavent.     | 2  | 4  | Aries  | 3  |                 |
| 15 | g | Swithin       | 3  | 2  |        | 15 |                 |
| 16 | a | Hilarius      | 3  | 59 |        | 27 |                 |
| 17 | b | Alexius       | 4  | 56 | Taur.  | 9  |                 |
| 18 | c | Maternus      | 5  | 53 |        | 21 | Windy and       |
| 19 | d | Dog days beg. | 6  | 51 | Gem.   | 4  | dry.            |
| 20 | e | 5 after Trin. | 7  | 48 |        | 17 |                 |
| 21 | f | Arbogast.     | 8  | 45 | Canc.  | 0  |                 |
| 22 | g | Bar. Mag.     | 9  | 43 |        | 14 |                 |
| 23 | a | Spollis       | 10 | 40 |        | 28 |                 |
| 24 | b | Christiana    | 11 | 38 | Leo    | 13 |                 |
| 25 | c | S. James Ap.  | 12 | 35 |        | 27 | Hot with        |
| 26 | d | Aug.          | 13 | 32 | Virgo  | 12 | black clouds,   |
| 27 | e | 6 after Trin. | 14 | 30 |        | 17 | and thunder     |
| 28 | f | Panthal       | 15 | 27 | Libra  | 11 | in some places. |
| 29 | g | Martha        | 16 | 25 |        | 26 |                 |
| 30 | a | Abdon         | 17 | 23 | Scorp. | 10 |                 |
| 31 | b | Germes        | 18 | 20 |        | 23 |                 |

# August hath xxxi days.

Full moon the 7 day, at 2 in the afternoon.  
 Last quarter the 15 day, near 4 in the morning.  
 New moon the 22 day, at 6 in the afternoon.  
 First quarter the 30 day, about 4 in the morning.

|    |   |                |    |    |        |    |               |
|----|---|----------------|----|----|--------|----|---------------|
| 1  | c | Lammas day     | 19 | 18 | Sagit. | 7  |               |
| 2  | d | Agnes          | 20 | 15 |        | 20 |               |
| 3  | e | 7 after Trin.  | 21 | 13 | Capr.  | 3  | Hot, with     |
| 4  | f | Bartharch.     | 22 | 10 |        | 16 | some showers, |
| 5  | g | Fest. nivi     | 23 | 8  |        | 29 | and thunder,  |
| 6  | a | Sixtus         | 24 | 6  | Aquar. | 11 | in many       |
| 7  | b | Donatus        | 25 | 4  |        | 23 | places.       |
| 8  | c | Cyrillus       | 26 | 1  | Pisces | 5  |               |
| 9  | d | Romanus        | 26 | 59 |        | 17 |               |
| 10 | e | 8 after Trin.  | 27 | 57 |        | 29 |               |
| 11 | f | Abbas          | 28 | 55 | Aries  | 11 |               |
| 12 | g | Clara, M.      | 29 | 53 |        | 23 |               |
| 13 | a | Sun in Virgo.  | 0  | 51 | Taur.  | 5  | Some high     |
| 14 | b | Eusebius       | 1  | 48 |        | 17 | winds, and    |
| 15 | c | Assump. V.M.   | 2  | 46 |        | 29 | dry.          |
| 16 | d | Boschus        | 3  | 44 | Gem.   | 12 |               |
| 17 | e | 9 after Trin.  | 4  | 42 |        | 25 |               |
| 18 | f | Helena         | 5  | 40 | Canc.  | 8  |               |
| 19 | g | Mag. Mart.     | 6  | 39 |        | 22 |               |
| 20 | a | Bernard        | 7  | 37 | Leo    | 6  | Moderate      |
| 21 | b | Priscus        | 8  | 35 |        | 21 | as to heat.   |
| 22 | c | Symonien.      | 9  | 33 | Virgo  | 6  |               |
| 23 | d | Zachens        | 10 | 31 |        | 21 |               |
| 24 | e | S. Bartholem.  | 11 | 29 | Libra  | 6  |               |
| 25 | f | Eudobie.       | 12 | 28 |        | 21 |               |
| 26 | g | Severinus      | 13 | 26 | Scorp. | 6  | Good harvest  |
| 27 | a | Dog days end   | 14 | 24 |        | 20 | weather a-    |
| 28 | b | Elasmus        | 15 | 23 | Sagit. | 4  | bout this     |
| 29 | c | Decol. J. B.   | 16 | 21 |        | 17 | time.         |
| 30 | d | Felix          | 17 | 19 | Capr.  | 0  |               |
| 31 | e | 11 after Trin. | 18 | 18 |        | 13 |               |

# September hath xxx days.

Full moon the 6 day, about noon.

Last quarter the 13 day, at 7 at night.

New moon the 21 day, at 2 in the morning.

First quarter the 28 day, near noon.

|    |   |                |    |    |        |    |               |
|----|---|----------------|----|----|--------|----|---------------|
| 1  | f | Agidius        | 19 | 15 | Capr.  | 25 |               |
| 2  | h | Anthony        | 20 | 15 | Aquar. | 8  |               |
| 3  | a | Amertus        | 21 | 14 |        | 20 | Windy wea-    |
| 4  | b | Theobald       | 22 | 12 | Pisces | 2  | ther, with    |
| 5  | c | Osley          | 23 | 11 |        | 14 | some wet.     |
| 6  | d | Magun          | 24 | 9  |        | 26 |               |
| 7  | e | 12 after Trin. | 25 | 8  | Aries  | 8  |               |
| 8  | f | Nat. V. M.     | 26 | 7  |        | 20 |               |
| 9  | g | Boggon         | 27 | 6  | Taur.  | 2  |               |
| 10 | a | Willary P.     | 28 | 5  |        | 14 | Cool misty    |
| 11 | b | Felly, &c.     | 29 | 3  |        | 26 | weather about |
| 12 | c | Sun in Libra   | 0  | 2  | Gem.   | 8  | this time.    |
| 13 | d | Amatus         | 1  | 1  |        | 20 |               |
| 14 | e | 13 after Trin. | 2  | 0  | Canc.  | 3  |               |
| 15 | f | Nicodemus      | 2  | 59 |        | 17 |               |
| 16 | g | Edith          | 3  | 58 | Leo    | 0  |               |
| 17 | a | Ember week     | 4  | 57 |        | 15 |               |
| 18 | b | Herelius       | 5  | 56 |        | 29 | The Evenings  |
| 19 | c | Januarius      | 6  | 55 | Virgo  | 14 | and Mornings  |
| 20 | d | Fausta         | 7  | 54 |        | 29 | very rough    |
| 21 | e | S. Matthew     | 8  | 53 | Libra  | 15 | and cold.     |
| 22 | f | Mauritius      | 9  | 52 |        | 29 |               |
| 23 | g | Cecilia, Vir.  | 10 | 52 | Scorp. | 15 |               |
| 24 | a | Rupertus       | 11 | 51 |        | 29 |               |
| 25 | b | Cleopas        | 12 | 50 | Sagit. | 13 |               |
| 26 | c | Cyprian        | 13 | 50 |        | 27 | Good season-  |
| 27 | d | Colm. Dam.     | 14 | 49 | Capr.  | 10 | able weather  |
| 28 | e | 15 after Trin. | 15 | 49 |        | 22 | ends the      |
| 29 | f | S. Michael     | 16 | 48 | Aquar. | 5  | month.        |
| 30 | g | Hieronym       | 17 | 44 |        | 17 |               |

# October hath xxxi days.

Full moon the 5 day, at 7 at night.

Last quarter the 13 day, at 1 in the morning.

New moon the 20 day, at 11 before noon.

First quarter the 27 day, at 7 at night.

|    |   |                |    |    |        |    |               |
|----|---|----------------|----|----|--------|----|---------------|
| 1  | a | Remigius       | 18 | 48 | Aquar. | 29 |               |
| 2  | b | Reoburg        | 19 | 48 | Pisces | 11 |               |
| 3  | c | Marinus        | 20 | 47 |        | 23 | Dark, gloo-   |
| 4  | d | Francis        | 21 | 47 | Aries  | 5  | my and        |
| 5  | e | 16 after Trin. | 22 | 47 |        | 17 | cool weather  |
| 6  | f | Fides          | 23 | 46 |        | 29 | with some     |
| 7  | g | Marens, &c.    | 24 | 46 | Taur.  | 11 | rain.         |
| 8  | a | Delagla        | 25 | 46 |        | 23 |               |
| 9  | b | Dionysus       | 26 | 46 | Gem.   | 5  |               |
| 10 | c | Wldeon         | 27 | 46 |        | 17 |               |
| 11 | d | Burchard.      | 28 | 46 | Canc.  | 0  |               |
| 12 | e | 17 after Trin. | 29 | 46 |        | 13 | Very good     |
| 13 | f | Sun in Scorp.  | 0  | 46 |        | 26 | weather for   |
| 14 | g | Calistus       | 1  | 46 | Leo    | 10 | the time of   |
| 15 | a | Hedwig         | 2  | 46 |        | 24 | the year.     |
| 16 | b | Gailus         | 3  | 46 | Virgo  | 8  |               |
| 17 | c | Florent.       | 4  | 46 |        | 23 |               |
| 18 | d | S. Luke Eyan.  | 5  | 46 | Libra  | 8  |               |
| 19 | e | 18 after Trin. | 6  | 46 |        | 23 |               |
| 20 | f | Tres Mich.     | 7  | 46 | Scorp. | 8  | High winds,   |
| 21 | g | 40 M. Virg.    | 8  | 47 |        | 23 | with storms   |
| 22 | a | Cordula        | 9  | 47 | Sagit. | 7  | of rain or    |
| 23 | b | Teon beglue    | 10 | 47 |        | 22 | snov.         |
| 24 | c | Salome         | 11 | 48 | Capr.  | 5  |               |
| 25 | d | Erasmus        | 12 | 48 |        | 19 |               |
| 26 | e | 19 after Trin. | 13 | 49 | Aquar. | 1  |               |
| 27 | f | Ment. Mich.    | 14 | 49 |        | 14 | Variable wea- |
| 28 | g | S. & Jude      | 15 | 50 |        | 26 | ther towards  |
| 29 | a | Bartholom.     | 16 | 50 | Pisces | 8  | the end.      |
| 30 | b | Theones.       | 17 | 51 |        | 20 |               |
| 31 | c | Wolfgang       | 18 | 51 | Aries  | 2  |               |

# November hath xxx days.

Full moon the 4 day, at 4 in the morning.

Last quarter the 11 day, at 1 in the afternoon.

New moon the 18 day, at 10 at night.

First quarter the 26 day, at 7 in the morning.

|    |   |                |    |    |            |    |               |
|----|---|----------------|----|----|------------|----|---------------|
| 1  | J | All Saints     | 19 | 52 | Aries      | 13 |               |
| 2  | C | 20 after Trin. | 20 | 25 |            | 25 |               |
| 3  | C | Craft. Anim.   | 21 | 53 | Taur.      | 7  |               |
| 4  | B | K. W. 3. born  | 22 | 54 |            | 20 | Mild weather  |
| 5  | a | Powder Plot    | 23 | 54 | Gem.       | 2  | for the time  |
| 6  | b | Leonard        | 24 | 55 |            | 14 | of the year.  |
| 7  | c | Florent.       | 25 | 56 |            | 27 |               |
| 8  | D | Severus        | 26 | 57 | Canc.      | 10 |               |
| 9  | C | 21 after Trin. | 27 | 57 |            | 23 |               |
| 10 | f | Martin P.      | 28 | 58 | Leo        | 6  |               |
| 11 | B | Martin Ep.     | 29 | 59 |            | 20 | Windy and     |
| 12 | a | Sun in Sagit.  | 0  | 0  | Virgo      | 3  | variable wea- |
| 13 | b | Ischaana       | 1  | 1  |            | 18 | ther, with    |
| 14 | c | Frederic       | 2  | 2  | Libra      | 2  | some wet.     |
| 15 | D | Leonard        | 3  | 3  |            | 17 |               |
| 16 | C | 22 after Trin. | 4  | 4  | Scorp.     | 1  |               |
| 17 | f | Anianus        | 5  | 5  |            | 16 |               |
| 18 | B | Octab. Mart.   | 6  | 6  | Sagit.     | 1  |               |
| 19 | a | Elizabeth      | 7  | 7  |            | 16 |               |
| 20 | b | Eugenius       | 8  | 8  | Capr.      | 0  | Dark gloomy   |
| 21 | c | Oblat. V.M.    | 9  | 9  |            | 13 | weather       |
| 22 | D | Cecilia        | 10 | 10 |            | 27 |               |
| 23 | C | 23 after Trin. | 11 | 11 | Aquar.     | 10 |               |
| 24 | f | Christogen     | 12 | 12 |            | 22 |               |
| 25 | B | Quind. Mart.   | 13 | 13 | Pisces     | 4  |               |
| 26 | a | Conradus       | 14 | 14 |            | 16 |               |
| 27 | b | Gunter         | 15 | 15 |            | 28 | Gloomy and    |
| 28 | c | Term ends      | 16 | 17 | Aries      | 10 | cold with     |
| 29 | D | Saturn         | 17 | 18 |            | 22 | some frost.   |
| 30 | C | S. Andrew      | 18 | 19 | Adv. Sund. |    |               |



# December hath xxxi days.

Full moon the 3 day, at 4 in the afternoon.  
 Last quarter the 11 day, at 1 in the morning.  
 New moon the 18 day, at 11 in the morning.  
 First quarter the 25 day, at 9 at night.

|    |   |                |    |    |        |    |                 |
|----|---|----------------|----|----|--------|----|-----------------|
| 1  | f | Origins        | 20 | 20 | Taur.  | 17 |                 |
| 2  | g | Libanus        | 21 | 21 |        | 28 |                 |
| 3  | a | Cassian        | 22 | 23 | Gem.   | 10 | Cold weather    |
| 4  | b | Barbara        | 23 | 24 |        | 23 | with some       |
| 5  | c | Abbas          | 24 | 25 | Canc.  | 6  | snow or rain    |
| 6  | d | Nicholas       | 25 | 26 |        | 20 | about this      |
| 7  | e | 2 sun. in Adv. | 26 | 28 | Leo    | 3  | time.           |
| 8  | f | Concept. V.M.  | 27 | 29 |        | 17 |                 |
| 9  | g | Cyprian        | 28 | 30 | Virgo  | 0  |                 |
| 10 | a | Eulalia        | 29 | 31 |        | 14 |                 |
| 11 | b | Sun in Capr.   | 0  | 33 |        | 28 |                 |
| 12 | c | Valerius       | 1  | 34 | Libra  | 12 | Gloomy and      |
| 13 | d | Lucia, Virg.   | 2  | 35 |        | 17 | dark weather,   |
| 14 | e | 3 sun. in Adv. | 3  | 36 | Scorp. | 11 | with some       |
| 15 | f | Abraham        | 4  | 38 |        | 25 | frost.          |
| 16 | g | O Sapientia    | 5  | 39 | Sagit. | 10 |                 |
| 17 | a | Ember week     | 6  | 40 |        | 24 |                 |
| 18 | b | Euseb          | 7  | 42 | Capr.  | 8  |                 |
| 19 | c | Elph           | 8  | 43 |        | 21 |                 |
| 20 | d | Simon          | 9  | 44 | Aquar. | 5  | Windy with      |
| 21 | e | S. Thomas      | 10 | 46 |        | 18 | some snow       |
| 22 | f | 30 Mart.       | 11 | 47 | Pisces | 0  | or rain.        |
| 23 | g | Blas           | 12 | 48 |        | 12 |                 |
| 24 | a | Adam & Eve     | 13 | 49 |        | 24 |                 |
| 25 | b | Christmas day  | 14 | 51 | Aries  | 6  |                 |
| 26 | c | S. Stephen     | 15 | 52 |        | 18 | Good weather    |
| 27 | d | S. John        | 16 | 53 | Taur.  | 0  | the season con- |
| 28 | e | S. Innocent.   | 17 | 54 |        | 12 | sidered, at     |
| 29 | f | Jonathan       | 18 | 56 |        | 24 | this time.      |
| 30 | g | David          | 19 | 57 | Gem.   | 6  |                 |
| 31 | a | Elphinst       | 20 | 58 |        | 19 |                 |

Swallow 1701.

# A Regal Table in a more exact manner.

| The Year, Month, and Day,<br>(recounting the Year to begin<br>Jan. 1.) whereon every King<br>and Queen of Eng. since the<br>Conquest began their Reign. |      |           | The number of<br>Years, Months, and<br>Days, that every<br>K. and Q. reigned<br>28 d. to a month. |   |    | The num. of Y.<br>expired in this Y.<br>since they began<br>to reign: as also<br>since they ended. |    |   |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|---------------------------------------------------------------------------------------------------|---|----|----------------------------------------------------------------------------------------------------|----|---|-------|
| K. W. Conq.                                                                                                                                             | 1066 | Octob. 14 | 20                                                                                                | y | 11 | m                                                                                                  | 22 | d | 635   |
| W. Rufus                                                                                                                                                | 1087 | Sept. 9   | 12                                                                                                | y | 11 | m                                                                                                  | 18 | d | 614   |
| Henry                                                                                                                                                   | 1100 | August 1  | 35                                                                                                | y | 4  | m                                                                                                  | 11 | d | 601   |
| Steven                                                                                                                                                  | 1135 | Decem. 2  | 18                                                                                                | y | 11 | m                                                                                                  | 18 | d | 566   |
| Henry                                                                                                                                                   | 1154 | Octob. 25 | 34                                                                                                | y | 9  | m                                                                                                  | 2  | d | 547   |
| Richard                                                                                                                                                 | 1189 | July 6    | 9                                                                                                 | y | 9  | m                                                                                                  | 0  | d | 512   |
| John                                                                                                                                                    | 1199 | April 6   | 17                                                                                                | y | 7  | m                                                                                                  | 0  | d | 502   |
| Henry                                                                                                                                                   | 1216 | Octob. 19 | 56                                                                                                | y | 1  | m                                                                                                  | 0  | d | 486   |
| Edward                                                                                                                                                  | 1272 | Nov. 16   | 34                                                                                                | y | 8  | m                                                                                                  | 6  | d | 435   |
| Edward                                                                                                                                                  | 1307 | July 7    | 39                                                                                                | y | 7  | m                                                                                                  | 5  | d | 394   |
| Edward                                                                                                                                                  | 1327 | Jan. 25   | 50                                                                                                | y | 5  | m                                                                                                  | 7  | d | 374   |
| Richard                                                                                                                                                 | 1377 | June 21   | 22                                                                                                | y | 3  | m                                                                                                  | 14 | d | 324   |
| Henry                                                                                                                                                   | 1399 | Sept. 29  | 13                                                                                                | y | 6  | m                                                                                                  | 3  | d | 302   |
| Henry                                                                                                                                                   | 1413 | March 20  | 9                                                                                                 | y | 5  | m                                                                                                  | 24 | d | 288   |
| Henry                                                                                                                                                   | 1422 | August 31 | 38                                                                                                | y | 6  | m                                                                                                  | 16 | d | 279   |
| Edward                                                                                                                                                  | 1461 | March 4   | 22                                                                                                | y | 1  | m                                                                                                  | 8  | d | 240   |
| Edward                                                                                                                                                  | 1483 | April 9   | 0                                                                                                 | y | 2  | m                                                                                                  | 18 | d | 218   |
| Richard                                                                                                                                                 | 1483 | June 22   | 2                                                                                                 | y | 2  | m                                                                                                  | 5  | d | 218   |
| Henry                                                                                                                                                   | 1485 | August 22 | 23                                                                                                | y | 10 | m                                                                                                  | 24 | d | 216   |
| Henry                                                                                                                                                   | 1509 | April 22  | 37                                                                                                | y | 10 | m                                                                                                  | 2  | d | 192   |
| Edward                                                                                                                                                  | 1547 | Jan. 28   | 6                                                                                                 | y | 5  | m                                                                                                  | 19 | d | 155   |
| Q. Mary                                                                                                                                                 | 1553 | July 6    | 5                                                                                                 | y | 4  | m                                                                                                  | 22 | d | 148   |
| Q. Elizabeth                                                                                                                                            | 1558 | Nov. 17   | 44                                                                                                | y | 4  | m                                                                                                  | 15 | d | 143   |
| James                                                                                                                                                   | 1603 | March 4   | 22                                                                                                | y | 0  | m                                                                                                  | 3  | d | 99    |
| Charles                                                                                                                                                 | 1625 | March 27  | 22                                                                                                | y | 10 | m                                                                                                  | 3  | d | 76    |
| Charles                                                                                                                                                 | 1648 | Jan. 30   | 36                                                                                                | y | 0  | m                                                                                                  | 0  | d | 52    |
| James                                                                                                                                                   | 1685 | Febr. 6   | 4                                                                                                 | y | 0  | m                                                                                                  | 0  | d | 16    |
| William                                                                                                                                                 | 3    | 1688      | Whom God grant                                                                                    |   |    |                                                                                                    |    |   | 12    |
| Mary                                                                                                                                                    | 2    | Feb. 13   | long to Reign.                                                                                    |   |    |                                                                                                    |    |   | James |

## The Use of the Table in Example.

King Henry 8 began his Reign in the Year of Christ 1509. April 22. He reigned 37 years, 10 months, and 2 days. It is since he began his Reign 192 Years complete the 22 of April this Year 1701. Now to know the time since the end of his Reign, before his Name standing on the right hand, you shall there find 155 Years since he died Jan. 28, and so of the rest.

SWALLOW

# SWALLOW.

The latter part of this

## ALMANACK

for the Year of our

## LORD GOD

1701.

Being y<sup>e</sup> 1<sup>st</sup> aft. Bissextile or Leap-year,

and from the Conquest of *England*

by *William Duke of Norman-*

*dy* 635 years.

Wherein is contained an account of the Eclipses, the time of the Sun's entrance into the four Cardinal Signs. Likewise a Table shewing the Time of the Moons coming to the South, and Quantity of her shining, &c. A Table shewing the time of Day-break, & Twilight for every 10th. day throughout the Year. Also Arguments proving the Motion of the Earth. A Table of Weights and Measures, and the Value of Foreign Coins in *English Money*. Also Tables and Rules how to measure Board and Timber, a Table of Interest, Tables for Purchasing and putting out of money for Interest upon Interest, as also a Table shewing the rising and setting of the Sun, &c. with the Fairs in a larger manner than formerly.

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### CAMBRIDGE,

Printed by *John Hayes*, Printer to the  
University, 1701.

*The Eclipses for the year 1701.*

**F**OUR Eclipses, of the Luminaries will happen this Year.

The first will be of the Sun, on Jan. the 28. about One in the morning, and therefore invisible to us in England; but to our Antipodes two Thirds of the Sun's body will be darkned.

The second will be a Lunar Defect, on the 11. of Febr. at our Ten of the Clock in the night; in four Degrees of the Celestial Virgin, it will be Visible in our Horison if the Skie be clear; and there will be more than Half the Moon's Body darkned.

The third Eclipse will be of the Sun, on July the 24th. about our Nine in the morning, in 12 Degrees of the Celestial Lyon; it will be Visible to us, if the day at that Time be clear; and the Sun's Body will be above half darkned.

The last will be of the Moon, the 7th. of August, about Two in the afternoon, and therefore invisible to us.

*The Suns entrance into the four Cardinal Signs.*

**H**E enters ♈, March the 11, 11 minutes past 10 at night, and then begins our Spring Quarter.

He enters ♊, June the 12, 41 min. past 11 at night, and then begins our Summer Quarter.

He enters ♎, September the 14. 39 min. past 3 in the morning, and then begins our Autumn.

He enters ♏, December the 13. 31 minutes past 3 in the morning, and then begins our Winter Quarter.

*A true Computation of some things memorable.*

|                                                        |      |
|--------------------------------------------------------|------|
| The World began                                        | 1704 |
| Noah's Flood                                           | 4049 |
| The birth of Abraham                                   | 3696 |
| The birth of Isaac                                     | 3596 |
| The birth of Jacob                                     | 3437 |
| The birth of Joseph                                    | 3445 |
| Joseph was sold by his Brethren                        | 3427 |
| Jacob went down into Egypt                             | 3406 |
| Moses was born                                         | 3371 |
| The giving of the Law upon Mount Sinai                 | 3191 |
| Moses died                                             | 3151 |
| David began to reign                                   | 2755 |
| Solomon began to build the Temple                      | 2712 |
| Nebuchadnezzar burnt it                                | 2288 |
| Zorobabel began again to build it                      | 2218 |
| The building of the Tower in London                    | 2119 |
| Alexander the Great died                               | 2024 |
| The building of Cambridge                              | 2001 |
| Julius Cesar conquered Britain                         | 1752 |
| The destruction of Jerusalem by Titus                  | 1631 |
| S. John wrote his Revelation                           | 1607 |
| Lucius the first Christian King began                  | 1521 |
| Constantine the first Christian Emp. began             | 1377 |
| Cambridge was made an University                       | 1067 |
| The first Mayor of London                              | 511  |
| The invention of Guns                                  | 321  |
| The invention of Printing                              | 261  |
| Tilbury Camp on S. James his day                       | 113  |
| The Powder Treason, Novemb. 5.                         | 96   |
| The beginning of the Great Frost, Novemb.              | 96   |
| The last great Plague in London                        | 36   |
| London almost consumed by fire                         | 35   |
| S <sup>t</sup> Edmund-Bury Godfrey was Murdered Octob. | 23   |
| Manpower was beheaded July 15.                         | 16   |
| King James II. Abdicated in December 1688.             | 13   |
| K. William and Q. Mary Crown'd Apr. 11. 1689           | 12   |



# Swallow 1701.

A Table shewing the time of the Moons coming to the South, and quantity of her shining for the ready finding the hour of the night.

| The Moons age. |    | Moons (southing and thin. |    | Moons age for her sett. |    |
|----------------|----|---------------------------|----|-------------------------|----|
| 1              | 16 | 0                         | 48 | 1                       | 29 |
| 2              | 17 | 1                         | 36 | 2                       | 28 |
| 3              | 18 | 2                         | 24 | 3                       | 27 |
| 4              | 19 | 3                         | 12 | 4                       | 26 |
| 5              | 20 | 4                         | 0  | 5                       | 25 |
| 6              | 21 | 5                         | 48 | 6                       | 24 |
| 7              | 22 | 5                         | 36 | 7                       | 23 |
| 8              | 23 | 6                         | 24 | 8                       | 22 |
| 9              | 24 | 7                         | 12 | 9                       | 21 |
| 10             | 25 | 8                         | 0  | 10                      | 20 |
| 11             | 26 | 8                         | 48 | 11                      | 19 |
| 12             | 27 | 9                         | 36 | 12                      | 18 |
| 13             | 28 | 10                        | 24 | 13                      | 17 |
| 14             | 29 | 11                        | 12 | 14                      | 16 |
| 15             | 30 | 12                        | 0  | 15                      |    |

The first Column of this Table shews at what age the Moon rises after Sun setting, or after his rising, so many hours and minutes as the middle Column shews, as at 2 days old she rises 1 hour and 36 minutes after the Sun, and at 17 days old she rises 1 hour and 36 min. after Sun setting, &c. the third Column is for the Moons setting, as at 2 days old she sets 1 hour and 36 min. before the Sun, &c. the middle Column shews how many hours and minutes the Moon shines, which from New Moon, to Full Moon is to be used with the third Column, so for her southing, as at 6 days old she is upon the Meridian 48. min. past 5 at night, but at 14 days old she souths 48 minutes past 5 in the morning.

# Swallow 1701.

A Table whereby you may find the time of high water at many Havens in and about England, and how many hours and minutes are to be added to the time of the Moons coming to the South for the time of high water, and likewise what Moon makes a full Sea at those Havens.

| South and North | Quinborough, Southampton, Portsmouth, Isle of Wight, Spits; Kentish. knock.      | Ho.      | M. |
|-----------------|----------------------------------------------------------------------------------|----------|----|
| S. by w.        | Rocheſter, Malden, Aberdeen, Redband.                                            | 0        | 45 |
| S. S. w.        | Graveſen, Downs, Rumney, Tenny, Silly.                                           | 1        | 30 |
| S. w. by S.     | Dundee, S. Andr, S. Lucas, Belliſle, Holy Iſl.                                   | 2        | 15 |
| S. w.           | London, Tinmouth, Hartpool, Whitebay, Amſ.                                       | 3        | 0  |
| S. w. by w.     | Barwic, Flambrough, h. Bridlington-bay.                                          | 3        | 45 |
| W. S. w.        | Scarborough, Severn, Mounts-bay, Kingsale.                                       | 4        | 30 |
| W. by S.        | Newcaſt. Humber, Falmouth, Dartmouth.                                            | 5        | 15 |
| E. and w.       | Plimouth, Weymouth, Hull, Lyn, Antwerp.                                          | 6        | 0  |
| E. by S.        | Briſtol, Foulneſs at the ſtart.                                                  | 6        | 45 |
| E. S. E.        | Milford, Bridgew. Landſen, Waterford.                                            | 7        | 30 |
| SE. by E.       | Portlan, Peterport, Harſlew, Hague, Dubl.                                        | 8        | 15 |
| S. S. E.        | Pool, S. Hellen, Orkney, Carnes, Man-Iſle.                                       | 9        | 0  |
| E. by S.        | Needles, Laifo, North & South forelands                                          | 9        | 45 |
| S. S. E.        | Yarmouth, Dover, Harwich, Calice-Road.                                           | 10       | 30 |
| S. by E.        | Ry, Winckelſey, Goree, Thames, Rhodes.                                           | 11       | 15 |
| Moons age.      | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 | Moon age |    |
| is South at     | 12 1 2 3 4 5 6 7 8 9 10 11 12 H. 48 36 24 12 0 48 36 24 12 0 48 36 24 12 0 M.    |          |    |

## The Tide Table Explained.

IN the first Column you have the point of the Compass to the which the Moon coming maketh full Sea at those Havens mentioned in the second Column, and in the third Column are the hours and minutes to be added to the time of the Moons ſouthing. I ſhall make it plain by an example.

The 14<sup>th</sup> of February, this Year 1701. I would know at what hour it will be full Sea at London-bridge. First I find the Moons age in the former part of the Almanack (accounting it from the Change) to be 17 days old, which age I find at the bottom of the Tide table, and under the same 1 hour 36 min. the time of the Moons coming to the South; then finding in the first Column that a South-west Moon makes full Sea at London, I add to her southing 3 hours, as is shewed in the last Column, and it makes 4 hours 36 min. at night, the time of full Sea at London-bridge; also observe that when the Moon cometh to the contrary (or North-east) point it is there full Sea again.

### *Arguments proving the Motion of the Earth.*

**A**CCORDING to *Ptolomy*, the whole Heaven of the fixed Stars is whirled about the Earth in a Day, making its motion from East to West, the Earth according to him, resting in the Center of the Universe: but according to *Copernicus*, the earthly Globe turns about its own Axis from West to East, performing its Revolution in 24. hours; *Ptolomy* also would have the Sun to run through the Zodiack in a Year, but *Copernicus* rather thinks, that our Earth performs its Revolution under the Ecliptick in the same space of time: *Ptolomy* also says, that the Moon performs her Revolution in the Zodiack in a month, and *Copernicus* would have the Orb of the Moon to be carried by the Earth, and her body also to perform the Course in her own Circle.

Now notwithstanding these differences in the Motions and descriptions of the Spheres and Heavenly bodies, yet are their Appearances much the same, whether the Sun, Earth, or fixed Stars do move or stand still.

For although their Motions and Scituations in each System, are contrary to one another, yet do they differ no more among themselves, then the Way from Cambridge to London, doth differ from the way from London to Cambridge; for although they that travel from Cambridge to London, go contrary to them that travel from London to Cambridge, yet is the Way the same: So the Ptolomaick and Copernican Spheres are contrary to one another, as to their Hypothesis, yet do they shew the same thing in the Heavens, there are the same appearances.

And seeing the Appearances are the same, it may be required, why *Copernicus* rejecting the Ptolomaic System, should go about to devise a New one of his own; the Answer will be, that *Ptolomy* had respect only to the bare Motion of the Heavens, but *Copernicus* did not only regard the Motions, but also the Causes of them, and so hath built his Hypothesis upon substantial Reason, as in the Sequel will appear.

The first Argument which we shall alledge for the Motion of the Earth, shall be from the magnitude of the Spheres, taking it for granted, that those stars or Planets which are placed in lesser Spheres, do move more swiftly than those which are placed in greater, which by observation is most evident, for the Moon who is placed in the least of all the Spheres, performs her Revolution in a Month. Mercury who is placed in a Sphere next greater performs his Revolution in 80 days. Venus who is in the Sphere next above, performs her Revolution

in 9 months, then the Sun or the Earth in a Year, Mars in two Years; Jupiter in 12 years; Saturn who is in the greatest Sphere, performs his Revolution in thirty years; but the Sphere of the fixed stars being almost infinitely higher then the Sphere of Saturn, and so consequently so much greater, either must move not at all, or else slowest of all; so that it seems very absurd, to attribute the swiftest motion to this Sphere, supposing it to compleat its Revolution in a day or 24 hours; and this will better appear, if you consider, that the distance of the Sun from the Earth, or the Earth from the Sun is but  $1428\frac{1}{2}$  Semidiameters of the Earth, but the distance of the Sphere of the fixed stars from the Sun is  $10303227$  of the same Semidiameters, one of which is usually reckoned to be  $859\frac{1}{2}$  German miles, so that the Semidiameter of the fixed stars will then be  $8850729439$  German miles, and the Circumference  $55628464617$  of the same miles, which divided by 24, gives  $2317852969\frac{1}{2}$  German miles, for the space which the fixed stars runs in an hour, and in a minute  $38630878$  of the same miles, and in a moment, or the sixtieth part of a minute almost  $643848$  of the same miles, which must be of such a prodigious swiftness as none can imagine it possible, that a Physical body should run through such a vast space, in so little a time. But the Circumference of the Earth is but  $5400$  German miles, which divided by 24, gives  $225$  of the same miles for the motion of the Earth in an hour, and in a minute  $3\frac{1}{2}$  of German miles, but in a moment, but the sixteenth part of one of those miles, which is as swift as a bullet out of a Gun, and so the motion hath a just and convenient proportion to the time it moves in. So likewise to instance in the motion of Saturn, the Circumference of whose Sphere is supposed to be  $80358093$  German miles, which divided by 24 gives  $3348253$  of the same miles for the motion



motion of Saturn in an hour, and the division continued by 60, you will find that he moves then 930 *German* miles in a moment, or the sixtieth part of a minute, the proportion of the space it moves being so unequal to the time it moves in, as cannot be imagined, that a body should move so swiftly: therefore we will conclude that the diurnal motion is not to be attributed either to the Sphere of the fixed stars, or to the Sphere of Saturn, or to any other of the Spheres, but to the Earth about its own Axis, which moves but the sixteenth part of a *German* mile in a moment as was said before, and therefore the motion of the Earth is most agreeable to reason.

The second Argument for the Earths motion is this, *viz.* If the motion of the Earth about its own Axis be not admitted, one and the same Sphere must move East and West at the same time, but supposing the diurnal conversion of the Earth about its own Axis, this absurdity will be taken away, although according to the appearance of the Heavens, they may seem so to do, yet is the diurnal motion not to be attributed either to the fixed Stars, or to the Planets, but to the Earth, for that moving eastward, doth cause us to think that the whole systeme of the Planets, and Sphere of the fixed Stars do move westward, whereas indeed every Sphere has but one motion really, and that is from

from West to East, the other motion from East to West is only so in appearance, caused by the diurnal motion of the Earth from West to East, like as those which are sailing from West to East, those things which are without the ship upon Land, or upon the Sea, do seem to go the contrary way, although perhaps they may not move at all, or else the same way. There be several other Arguments, but I have not here room to produce them: As for the ponderosity of the Globe of the Earth, which is brought as an Objection against its motion, that doth rather prove the motion thereof; for things that are ponderous will not rest in the Air without motion.

# Of Weights and Measures.

## Of Troy Weight.

## Apothecaries Weight.

|               |        |            |            |        |            |
|---------------|--------|------------|------------|--------|------------|
| 24 Grains     | } MAKE | 1 Peny w.  | 20 Grains  | } MAKE | 1 Scruple. |
| 20 Peny weig. |        | 1 Ounce.   | 3 Scruples |        | 1 Dram.    |
| 12 Ounces     |        | 1 po. Troy | 8 Drams    |        | 1 Ounce.   |

Of *Averdupois* Weight, a Pound whereof is equal to 14 Ounces, 12 peny weight *Troy*; by which Weight is weighed any thing which beareth the Name of Garbel in this kind of weight.

|           |        |          |             |        |                         |
|-----------|--------|----------|-------------|--------|-------------------------|
| 16 Drams  | } MAKE | 1 Ounce. | 28 Pound    | } MAKE | 1 Quarter.              |
| 16 Ounces |        | 1 Pound. | 4 Quarters  |        | 1 H <sup>r</sup> or 112 |
|           |        |          | 20 Hundreds |        | 1 Tun.                  |

## Of Liquid Measure

## Dry Measure.

|                        |        |                                 |                           |        |            |
|------------------------|--------|---------------------------------|---------------------------|--------|------------|
| 2 Pints                | } MAKE | 1 Quart.                        | 2 Gallons                 | } MAKE | 1 Peck.    |
| 2 Quarts               |        | 1 Pottle.                       | 4 Pecks                   |        | 1 Bushel   |
| 2 Pottles              |        | 1 Gallon                        |                           |        | land meas. |
| 8 Gallons              |        | 1 Firkin of Ale, Sope, Herrings | 5 Pecks                   |        | 1 Bushel   |
| 9 Gallons              | } MAKE | 1 Firkin of Beer.               | 8 Bushels                 | } MAKE | 1 Quarter. |
| 10 Gall. $\frac{1}{2}$ |        | 1 Firkin of Salmon or Eels.     | 4 Quarters                |        | 1 Chalder. |
| 2 Firkins              |        | 1 Kilderkin                     | 5 Quarters                |        | 1 Wey.     |
| 2 Kilderk.             |        | 1 Barrel.                       |                           |        |            |
| 42 Gallons             | } MAKE | 1 Tierce of Wine.               | <i>Long Measure.</i>      |        |            |
| 63 Gallons             |        | 1 Hogshead                      | 3 Barly Coons             | } MAKE | 1 Inch.    |
| 2 Hogsh.               |        | 1 pipe, Butt.                   | 12 Inches                 |        | 1 foot.    |
|                        |        |                                 | 3 feet                    |        | 1 Yard.    |
|                        |        |                                 | 3 feet 9 Inch.            | } MAKE | 1 Ell.     |
|                        |        |                                 | 6 feet                    |        | 1 fathom   |
|                        |        |                                 | 5 yards and $\frac{1}{2}$ |        | 1 Pole.    |
|                        |        |                                 | 40 Poles                  |        | 1 furlong. |
|                        |        |                                 | 8 furlongs                |        | 1 En. mile |

## Land Measure.

## Cloth Measure.

|                                                                 |            |        |             |
|-----------------------------------------------------------------|------------|--------|-------------|
| 1 Pole in breadth and 40 in length make a Rood of Land.         | 4 Nails    | } MAKE | 1 Quarter.  |
| 4 Roods make an Acre, w <sup>ch</sup> contains 160 square Pole. | 4 Quarters |        | 1 Yard.     |
|                                                                 | 5 Quarters |        | 1 Ell.      |
|                                                                 | 3 Quarters |        | 1 Ell Flem. |

The value of Forreign Coins in English money.

Weights & Measures mentioned in Scripture.

|                         | lb.  | sh. | d.              |                                |
|-------------------------|------|-----|-----------------|--------------------------------|
| Hebrew Talent in Gold   | 4500 | 0   | 0               | A Shekel in weight a           |
| Hebrew Talent in Silver | 375  | 0   | 0               | $\frac{1}{4}$ of an Ounce.     |
| Alexandrian Talent      | 375  | 0   | 0               | Shekel of the San-             |
| Egyptian Talent         | 250  | 0   | 0               | ctuary $\frac{1}{2}$ an ounce. |
| Babylonian Talent       | 218  | 15  | 0               | A Talent 62 pounds.            |
| Attick Talent           | 187  | 10  | 0               | A Pound 12 ounces.             |
| Sekertium of Rome       | 7    | 16  | 3               | A Mules burthen                |
| A shekel                | 0    | 2   | 6               | 200 weight.                    |
| Argenteus               | 0    | 2   | 6               | A Log half a pint.             |
| A Drachma               | 0    | 0   | 7 $\frac{1}{2}$ | A Hin 3 quarts.                |
| A Rubble                | 0    | 13  | 4               | A Bath 9 Gallons 3             |
| A Sultany               | 0    | 7   | 6               | quarts.                        |
| A Ducat                 | 0    | 6   | 8               | A Pot or Sextary, 2            |
| A French Crown          | 0    | 6   | 6               | pint and an half.              |
| A Xeriffe               | 0    | 6   | 0               | A Measure or Choe-             |
| A Rix Doller            | 0    | 4   | 8               | nix, 2 quart.                  |
| A Floren                | 0    | 3   | 0               | A Firkin 4 Gallons             |
| A Frank                 | 0    | 2   | 0               | and an half.                   |
| A Livre at Paris        | 0    | 1   | 6               | A Kab, 2 quart.                |
| A Gilder                | 0    | 2   | 0               | An Omer 3 pints &              |
| A Spanish Real          | 0    | 0   | 6               | an half.                       |
| A Sous                  | 0    | 0   | 19              | A Measure or Seah              |
| A Turkish Asper         | 0    | 0   | 19              | 2 gallon & an half.            |
| A Maravidis             | 0    | 0   | 09              | An Ephah, half a Bu-           |
|                         |      |     |                 | shel and Pottle.               |
|                         |      |     |                 | Half Homer or Le-              |
|                         |      |     |                 | chech, 7 bush. & quart.        |

5 Stivers are equal to 6 pence Sterling, 6 Stivers are a Flemish Shilling, 20 Stivers or Solds Turnois make a Gilder, and 120 Stivers make a Livre or pound Flemish, which is reckoned equal to 12 shillings Sterling. The Ducatoons are equal to 10 Dutch shillings or 60 Stivers; Patatoons are equal to 48 Stivers or 8 Dutch Shillings, 8 Deits make a Stiver. The weight called a Quintal is 104 pound, in some places 108.

Forreign

# Swallow 1701.

## Forreign Coin reduced to English Money.

### Spanish Money.

|                |   |        |   |                              |   |                      |
|----------------|---|--------|---|------------------------------|---|----------------------|
| 6 Conrades     | } | make 1 | { | Mervid                       | } | Ryal or 6 d. English |
| 54 Mervids     |   |        |   | Ducat                        |   |                      |
| 11 Ryals       |   |        |   | Piece of 8, or 4 s. English. |   |                      |
| 8 Ryals        |   |        |   |                              |   |                      |
| 4 Quartiliards |   |        |   |                              |   |                      |

### Portugal Money.

|                        |   |         |   |                       |   |         |
|------------------------|---|---------|---|-----------------------|---|---------|
| 40 Res                 | } | Makes 1 | { | Ryal or 6 d. English. | } | Testoon |
| 2 $\frac{1}{2}$ Ryals  |   |         |   | Ducat                 |   |         |
| 4 Testoons or 10 Ryals |   |         |   | Milti of Gold.        |   |         |
| 2 $\frac{1}{2}$ Ducats |   |         |   |                       |   |         |

### French Money.

|            |   |        |   |          |   |                |
|------------|---|--------|---|----------|---|----------------|
| 12 Deniers | } | Make 1 | { | Soulk    | } | Frank or Liver |
| 20 Soulk   |   |        |   | Cardeque |   |                |
| 16 Soulk   |   |        |   | Crown,   |   |                |
| 4 Carducas |   |        |   |          |   |                |

### Scotch Money.

|                 |   |      |   |                                     |   |                                |
|-----------------|---|------|---|-------------------------------------|---|--------------------------------|
| 1 Small Piece   | } | Make | { | 2 d. 1 q. English                   | } | 1 Noble Scotch or 6 d. 3 Engl. |
| 3 Small Pieces  |   |      |   | 1 Mark or 13 d. $\frac{1}{2}$ Engl. |   |                                |
| 2 Nobles Scotch |   |      |   | 1 l. Scotch or 20 d. Engl.          |   |                                |
| 3 Nobles Scotch |   |      |   |                                     |   |                                |

### Flemish Money.

|                           |   |    |   |                                 |   |                 |
|---------------------------|---|----|---|---------------------------------|---|-----------------|
| 8 Pence                   | } | is | { | 1 Groat                         | } | 1 Single stiver |
| 2 Groats                  |   |    |   | 1 Doub. Stiv. or 3 d. 1 q. Eng. |   |                 |
| 20 Single Stivers         |   |    |   | 1 Guilder 3 s. 4 d. Engl.       |   |                 |
| 20 Sin. Stiv. or 10 doub. |   |    |   | 1 Pound.                        |   |                 |
| 6 Guilders                |   |    |   |                                 |   |                 |



A plain and easie Table shewing the true Interest due upon any Sum of Money from five Shillings to an Hundred Pounds, for a Year or under, after the rate of Six Pounds in the Hundred.

|     | Shill. | 1 month. |     |    | 3 months. |     |    | 6 months. |     |    | 9 months. |     |    | A Year. |     |    |    |
|-----|--------|----------|-----|----|-----------|-----|----|-----------|-----|----|-----------|-----|----|---------|-----|----|----|
|     |        | lb.      | s.  | d. | lb.       | s.  | d. | lb.       | s.  | d. | lb.       | s.  | d. | lb.     | s.  | d. | q. |
|     | 5      | 0        | 0   | 10 | 0         | 0   | 30 | 1         | 30  | 1  | 20        | 3   | 1  |         |     |    |    |
|     | 10     | 0        | 0   | 20 | 1         | 30  | 3  | 20        | 5   | 00 | 7         | 0   |    |         |     |    |    |
|     | 15     | 0        | 0   | 30 | 2         | 20  | 5  | 10        | 8   | 20 | 10        | 1   |    |         |     |    |    |
|     | 20     | 0        | 1   | 00 | 3         | 20  | 7  | 00        | 10  | 21 | 2         | 1   |    |         |     |    |    |
|     | 25     | 0        | 2   | 10 | 7         | 01  | 2  | 11        | 9   | 12 | 4         | 2   |    |         |     |    |    |
|     | 30     | 0        | 3   | 20 | 10        | 21  | 9  | 12        | 7   | 33 | 6         | 3   |    |         |     |    |    |
|     | 35     | 0        | 4   | 31 | 2         | 13  | 4  | 23        | 6   | 34 | 9         | 0   |    |         |     |    |    |
|     | 40     | 0        | 6   | 01 | 6         | 03  | 0  | 04        | 6   | 06 | 0         | 0   |    |         |     |    |    |
|     | 45     | 0        | 7   | 01 | 9         | 23  | 7  | 05        | 4   | 27 | 2         | 1   |    |         |     |    |    |
|     | 50     | 0        | 8   | 12 | 1         | 04  | 2  | 16        | 3   | 18 | 4         | 2   |    |         |     |    |    |
|     | 55     | 0        | 9   | 22 | 4         | 24  | 9  | 17        | 1   | 39 | 6         | 3   |    |         |     |    |    |
|     | 60     | 0        | 10  | 32 | 8         | 15  | 4  | 28        | 0   | 3  | 10        | 9   | 0  |         |     |    |    |
|     |        | po.      | lb. | s. | po.       | lb. | s. | po.       | lb. | s. | po.       | lb. | s. | p.      | lb. | s. | p. |
| 10  |        | 0        | 1   | 00 | 3         | 00  | 6  | 00        | 9   | 00 | 12        | 0   |    |         |     |    |    |
| 20  |        | 0        | 2   | 00 | 6         | 00  | 12 | 00        | 18  | 01 | 4         | 0   |    |         |     |    |    |
| 30  |        | 0        | 3   | 00 | 9         | 00  | 18 | 01        | 7   | 01 | 16        | 0   |    |         |     |    |    |
| 40  |        | 0        | 4   | 00 | 12        | 01  | 4  | 01        | 16  | 02 | 8         | 0   |    |         |     |    |    |
| 50  |        | 0        | 5   | 00 | 15        | 01  | 10 | 02        | 5   | 03 | 0         | 0   |    |         |     |    |    |
| 60  |        | 0        | 6   | 00 | 18        | 01  | 16 | 02        | 14  | 03 | 12        | 0   |    |         |     |    |    |
| 70  |        | 0        | 7   | 01 | 1         | 02  | 2  | 03        | 3   | 04 | 4         | 0   |    |         |     |    |    |
| 80  |        | 0        | 8   | 01 | 4         | 02  | 8  | 03        | 12  | 04 | 16        | 0   |    |         |     |    |    |
| 90  |        | 0        | 9   | 01 | 7         | 02  | 14 | 04        | 1   | 05 | 8         | 0   |    |         |     |    |    |
| 100 |        | 0        | 10  | 01 | 10        | 03  | 9  | 04        | 16  | 06 | 0         | 0   |    |         |     |    |    |

Find the Principal in the first Column, and in the other you have the Interest due for one, three, six, nine, or twelve months.

Swallow 1701.

A Table shewing how many Inches in Length makes one Foot of Timber, according to the Compass of any Round Piece of Timber.

The Compass of the Tree in Inches.

| Com. | ln. | parts. | Com. | ln. | parts. | Com. | ln. | parts. |
|------|-----|--------|------|-----|--------|------|-----|--------|
| 10   | 217 | 15     | 40   | 13  | 572    | 70   | 4   | 432    |
| 11   | 179 | 46     | 41   | 12  | 916    | 71   | 4   | 308    |
| 12   | 150 | 80     | 42   | 11  | 310    | 72   | 4   | 197    |
| 13   | 128 | 49     | 43   | 11  | 744    | 73   | 4   | 75     |
| 14   | 110 | 79     | 44   | 11  | 211    | 74   | 3   | 965    |
| 15   | 94  | 312    | 45   | 10  | 723    | 75   | 3   | 861    |
| 16   | 84  | 822    | 46   | 10  | 262    | 76   | 3   | 760    |
| 17   | 75  | 137    | 47   | 9   | 830    | 77   | 3   | 663    |
| 18   | 67  | 20     | 48   | 9   | 425    | 78   | 3   | 569    |
| 19   | 60  | 151    | 49   | 9   | 44     | 79   | 3   | 479    |
| 20   | 54  | 286    | 50   | 8   | 686    | 80   | 3   | 393    |
| 21   | 49  | 228    | 51   | 8   | 349    | 81   | 3   | 310    |
| 22   | 44  | 865    | 52   | 8   | 30     | 82   | 3   | 250    |
| 23   | 40  | 904    | 53   | 7   | 730    | 83   | 3   | 152    |
| 24   | 37  | 690    | 54   | 7   | 447    | 84   | 3   | 78     |
| 25   | 34  | 743    | 55   | 7   | 178    | 85   | 3   | 6      |
| 26   | 32  | 122    | 56   | 6   | 924    | 86   | 2   | 936    |
| 27   | 29  | 787    | 57   | 6   | 684    | 87   | 2   | 869    |
| 28   | 27  | 697    | 58   | 6   | 455    | 88   | 2   | 804    |
| 29   | 25  | 820    | 59   | 6   | 238    | 89   | 2   | 742    |
| 30   | 24  | 127    | 60   | 6   | 30     | 90   | 2   | 682    |
| 31   | 22  | 596    | 61   | 5   | 836    | 91   | 2   | 622    |
| 32   | 21  | 206    | 62   | 5   | 649    | 92   | 2   | 566    |
| 33   | 19  | 936    | 63   | 5   | 471    | 93   | 2   | 511    |
| 34   | 18  | 784    | 64   | 5   | 301    | 94   | 2   | 458    |
| 35   | 17  | 736    | 65   | 5   | 140    | 95   | 2   | 406    |
| 36   | 16  | 755    | 66   | 4   | 985    | 96   | 2   | 356    |
| 37   | 15  | 862    | 67   | 4   | 837    | 97   | 2   | 307    |
| 38   | 15  | 38     | 68   | 4   | 696    | 98   | 2   | 261    |
| 39   | 14  | 270    | 69   | 4   | 561    | 99   | 2   | 216    |
|      |     |        |      |     |        | 100  | 2   | 171    |

## The use of the Table.

**F**irst girt the Piece about, then look the length of that Girt under the title Com. and against it is the length of a Foot solid in Inches and parts of Inches.

*Example.*

Suppose a piece of Timber be 80 Inches about, then look 80 under the title Com. and against it in the next Column toward the right hand is 3 Inches and 393 decimal parts of an Inch, (that is 393 thousand parts, supposing the Inch to be divided into 1000 parts) for the length of a Foot.

## For Square Timber.

Divide always 1728. (the Cubick inches in a foot solid) by the Content at the end, and the Quotient shews the length of a foot solid in Inches.

*Example.*

Let a piece of Timber be 12 Inches broad and 10 Inches deep at the end, and then the Content will be 120 Inches, which dividing 1728 the Quotient is 14 Inches, and  $\frac{48}{100}$  parts for the length of a foot solid.

## For Boards.

Divide always 144 (the Inches in a foot square) by the breadth, and the Quotient shews the length of a foot square in Inches.

*Example.*

If a board be 16 Inches broad, then 144 divided by 16 the Quotient is 9 Inches for the length of a foot according to that breadth.

## For Circles.

If the Circumference be given, multiply it by it self, and then by 7, the last product divide by 88, and the Quotient shews the Content: if the Diameter be only given, multiply it by it self, and then by 11 the last product divide by 14 and the Quotient shews the Content.

A Table of the hour and minute of Sun-rising every second day.

|    | Januar. |    | Februa |    | March   |    | April  |    | May  |    | June  |    |
|----|---------|----|--------|----|---------|----|--------|----|------|----|-------|----|
|    | ho      | mi | ho     | mi | ho      | mi | ho     | mi | ho   | mi | ho    | mi |
| 2  | 8       | 4  | 7      | 15 | 6       | 16 | 5      | 14 | 4    | 21 | 3     | 46 |
| 4  | 8       | 1  | 7      | 11 | 6       | 12 | 5      | 10 | 4    | 17 | 3     | 45 |
| 6  | 7       | 58 | 7      | 7  | 6       | 8  | 5      | 6  | 4    | 14 | 3     | 44 |
| 8  | 7       | 56 | 7      | 3  | 6       | 4  | 5      | 2  | 4    | 11 | 3     | 43 |
| 10 | 7       | 53 | 6      | 57 | 6       | 0  | 4      | 58 | 4    | 7  | 3     | 43 |
| 12 | 7       | 51 | 6      | 53 | 5       | 56 | 4      | 54 | 4    | 5  | 3     | 43 |
| 14 | 7       | 48 | 6      | 50 | 5       | 52 | 4      | 50 | 4    | 2  | 3     | 43 |
| 16 | 7       | 45 | 6      | 46 | 5       | 48 | 4      | 46 | 4    | 0  | 3     | 44 |
| 18 | 7       | 43 | 6      | 42 | 5       | 44 | 4      | 43 | 3    | 58 | 3     | 45 |
| 20 | 7       | 40 | 6      | 38 | 5       | 40 | 4      | 39 | 3    | 56 | 3     | 46 |
| 22 | 7       | 37 | 6      | 34 | 5       | 36 | 4      | 35 | 3    | 54 | 3     | 47 |
| 24 | 7       | 33 | 6      | 30 | 5       | 32 | 4      | 32 | 3    | 52 | 3     | 48 |
| 26 | 7       | 29 | 6      | 26 | 5       | 29 | 4      | 29 | 3    | 50 | 3     | 49 |
| 28 | 7       | 25 | 6      | 22 | 5       | 25 | 4      | 25 | 3    | 48 | 3     | 50 |
| 30 | 7       | 21 | 0      | 0  | 5       | 21 | 4      | 22 | 3    | 47 | 3     | 52 |
|    | July    |    | August |    | Septem. |    | Octob. |    | Nov. |    | Decem |    |
|    | ho      | mi | ho     | mi | ho      | mi | ho     | mi | ho   | mi | ho    | mi |
| 2  | 3       | 54 | 4      | 39 | 5       | 39 | 6      | 41 | 7    | 37 | 8     | 15 |
| 4  | 3       | 56 | 4      | 43 | 5       | 42 | 6      | 45 | 7    | 40 | 8     | 15 |
| 6  | 3       | 58 | 4      | 46 | 5       | 46 | 6      | 49 | 7    | 44 | 8     | 16 |
| 8  | 4       | 0  | 4      | 50 | 5       | 50 | 6      | 52 | 7    | 47 | 8     | 17 |
| 10 | 4       | 3  | 4      | 54 | 5       | 54 | 6      | 56 | 7    | 51 | 8     | 17 |
| 12 | 4       | 6  | 4      | 58 | 5       | 58 | 7      | 0  | 7    | 54 | 8     | 17 |
| 14 | 4       | 8  | 5      | 2  | 6       | 2  | 7      | 4  | 7    | 57 | 8     | 17 |
| 16 | 4       | 11 | 5      | 6  | 6       | 6  | 7      | 8  | 7    | 59 | 8     | 16 |
| 18 | 4       | 15 | 5      | 10 | 6       | 11 | 7      | 12 | 8    | 1  | 8     | 15 |
| 20 | 4       | 18 | 5      | 14 | 6       | 15 | 7      | 15 | 8    | 3  | 8     | 15 |
| 22 | 4       | 21 | 5      | 18 | 6       | 20 | 7      | 19 | 8    | 5  | 8     | 14 |
| 24 | 4       | 24 | 5      | 21 | 6       | 24 | 7      | 22 | 8    | 7  | 8     | 12 |
| 26 | 4       | 27 | 5      | 25 | 6       | 28 | 7      | 25 | 8    | 9  | 8     | 10 |
| 28 | 4       | 30 | 5      | 29 | 6       | 32 | 7      | 29 | 8    | 11 | 8     | 9  |
| 30 | 4       | 34 | 5      | 32 | 6       | 36 | 7      | 32 | 8    | 13 | 8     | 7  |

Seek the day on the side; and right against it, in every month, you have the hour and minute of the Sun-rising.

Look how many minutes the Sun rises after 3, 4, 5, 6, 7, 8. So many he sets before 9, 8, 7, 6, 5, 4.

# A Table of Annuities and Reversions.

What 1 poundre  
be paid any num-  
ber of years hence,  
under 31, is worth  
in ready money.

What 1<sup>st</sup> Annuity  
to continue anytime  
under 31 years is  
worth in ready mo-  
ney at 6 per cent.

What 1 pound will  
amount to at any  
time under 31 year  
reckoning Interest  
upon Interest.

|    | sh. | d. | q. | lb. | sh. | d. | q. | lb. | sh. | d. | q. |
|----|-----|----|----|-----|-----|----|----|-----|-----|----|----|
| 1  | 18  | 10 | 2  | 0   | 18  | 10 | 2  | 1   | 1   | 2  | 2  |
| 2  | 17  | 9  | 2  | 1   | 16  | 8  | 0  | 1   | 2   | 1  | 2  |
| 3  | 16  | 9  | 2  | 2   | 13  | 5  | 2  | 1   | 3   | 9  | 3  |
| 4  | 15  | 10 | 0  | 3   | 9   | 3  | 2  | 1   | 5   | 3  | 0  |
| 5  | 14  | 11 | 1  | 4   | 4   | 3  | 0  | 1   | 6   | 9  | 0  |
| 6  | 14  | 1  | 1  | 4   | 18  | 4  | 1  | 1   | 8   | 4  | 2  |
| 7  | 13  | 3  | 2  | 5   | 11  | 7  | 3  | 1   | 10  | 0  | 3  |
| 8  | 12  | 6  | 2  | 6   | 4   | 2  | 1  | 1   | 11  | 10 | 2  |
| 9  | 11  | 10 | 0  | 6   | 16  | 0  | 1  | 1   | 13  | 9  | 2  |
| 10 | 11  | 2  | 0  | 7   | 7   | 2  | 1  | 1   | 15  | 9  | 3  |
| 11 | 10  | 6  | 2  | 7   | 17  | 8  | 3  | 1   | 17  | 11 | 2  |
| 12 | 9   | 11 | 1  | 8   | 7   | 8  | 0  | 2   | 0   | 3  | 0  |
| 13 | 9   | 4  | 2  | 8   | 17  | 0  | 2  | 2   | 2   | 7  | 3  |
| 14 | 8   | 10 | 0  | 9   | 5   | 10 | 3  | 2   | 5   | 2  | 1  |
| 15 | 8   | 4  | 0  | 9   | 14  | 3  | 0  | 2   | 7   | 11 | 1  |
| 16 | 7   | 10 | 2  | 10  | 2   | 1  | 2  | 2   | 10  | 9  | 2  |
| 17 | 7   | 5  | 0  | 10  | 9   | 6  | 2  | 2   | 13  | 10 | 2  |
| 18 | 7   | 0  | 0  | 11  | 16  | 6  | 2  | 3   | 17  | 1  | 0  |
| 19 | 6   | 7  | 1  | 11  | 3   | 2  | 0  | 3   | 0   | 6  | 0  |
| 20 | 6   | 2  | 3  | 11  | 9   | 4  | 3  | 3   | 4   | 1  | 3  |
| 21 | 5   | 10 | 2  | 11  | 15  | 3  | 1  | 3   | 7   | 11 | 3  |
| 22 | 5   | 6  | 2  | 12  | 0   | 10 | 0  | 3   |     |    |    |
| 23 | 5   | 2  | 3  | 12  | 0   | 0  | 3  |     |     |    |    |
| 24 | 4   | 12 | 1  | 12  | 11  | 0  | 0  |     |     |    |    |
| 25 | 4   | 7  | 2  | 12  | 15  | 2  | 0  |     |     |    |    |
| 26 | 4   | 4  | 3  | 13  | 0   | 0  | 0  |     |     |    |    |
| 27 | 4   | 1  | 3  | 13  | 4   | 2  | 2  |     |     |    |    |
| 28 | 3   | 11 | 0  | 13  | 8   | 1  | 2  |     |     |    |    |
| 29 | 3   | 9  | 1  | 13  | 11  | 0  | 2  |     |     |    |    |
| 30 | 3   | 5  | 2  | 13  | 15  | 2  | 2  |     |     |    |    |

By this Table you  
may readily find the  
increase of any other  
sum for such a num-  
ber of years: for if a  
come to so much  
then such suppose  
5<sup>th</sup> will come to 5  
times as much &c.



*The use of the Tables.*

**T**HE first Table shewing the decrease of one Pound yearly at 6 per cent. may be used in buying Reversions, &c. As suppose a parcel of Land or House or the like, whose fee simple or real worth is 200<sup>lb</sup>, and it be Mortgaged or Leased out for 20 years, then what is the Reversion thereof after that 20 years worth in ready Money? for answer, I look against 20 years and find that the Reversion of one Pound after 20 years is worth but 6<sup>lb</sup> 2<sup>d</sup> 3<sup>q</sup>, then if 1<sup>lb</sup> be worth 6<sup>lb</sup> 2<sup>d</sup> 3<sup>q</sup>, 200<sup>lb</sup> will be 200 times as much, which will be 62<sup>lb</sup> 5<sup>lb</sup> 10<sup>d</sup> for the value of the reversion required.

The second Table may be used in buying of Leases, &c, as suppose I am to buy a Lease of 10<sup>lb</sup> per annum, for 21 years, what ready money may I give at the rate of 6<sup>lb</sup> per cent. per ann. for answer, I look against 21 years and find that 1<sup>lb</sup> annuity to continue 21 years is worth in ready money 11<sup>lb</sup> 15<sup>lb</sup> 3<sup>d</sup> 1<sup>q</sup>, then I say if 1<sup>lb</sup> annuity for 21 years be worth 11<sup>lb</sup> 15<sup>lb</sup> 3<sup>d</sup> 1<sup>q</sup>, then 10<sup>lb</sup> annuity for the same time will be worth 10 times as much, which will be 117<sup>lb</sup> 12<sup>lb</sup> 8<sup>d</sup> 2<sup>q</sup>, for the value of the Lease required.

The third Table may be used in putting out money for a certain time at 6<sup>lb</sup> per cent. per ann. as suppose 20<sup>lb</sup> be let out for 7 years what will it amount to in that time, reckoning Interest upon Interest? For answer, I look against 7 years, and find that 1<sup>lb</sup> will amount to in that time 1<sup>lb</sup> 10<sup>lb</sup> 0<sup>d</sup> 3<sup>q</sup>, then I say 20<sup>lb</sup> will amount to 20 times as much, which will be 30<sup>lb</sup> 1<sup>lb</sup> 3<sup>d</sup>.

The use of the following Table is plain and easie, for suppose I am to find Easter this present year 1701. having found the Golden Number 11, and Dominical Letter E at the bottom of the Table, I look under the Dominical Letter E at the top, and right against the Golden Number 11 at the left hand, and in the Common angle of meeting I find April 20 Easter Day.

A Table shewing how to find Easter for ever  
by the help of the Golden Number  
and Dominical Letter.

| G.N.  | A       | B  | C       | D  | E       | F       | G      |
|-------|---------|----|---------|----|---------|---------|--------|
| i     | Apr. 9  | 10 | 11      | 12 | 6       | 7       | 3      |
| ii    | Mar. 26 | 27 | 28      | 29 | 30      | 31      | apr. 1 |
| iii   | Apr. 16 | 17 | 18      | 19 | 20      | 14      | 15     |
| iv    | Apr. 9  | 3  | 4       | 5  | 6       | 7       | 8      |
| v     | Mar. 26 | 27 | 28      | 29 | 21      | 24      | 25     |
| vi    | Apr. 16 | 17 | 11      | 12 | 13      | 14      | 15     |
| vii   | Apr. 2  | 3  | 4       | 5  | 6       | mar. 31 | apr. 1 |
| viii  | Apr. 23 | 24 | 25      | 19 | 20      | 21      | 22     |
| ix    | Apr. 9  | 10 | 11      | 12 | 13      | 14      | 8      |
| x     | Apr. 2  | 3  | mar. 28 | 29 | 30      | 31      | apr. 1 |
| xi    | Apr. 16 | 17 | 18      | 19 | 20      | 21      | 22     |
| xii   | Apr. 9  | 10 | 11      | 5  | 6       | 7       | 8      |
| xiii  | Mar. 26 | 27 | 28      | 29 | 30      | 31      | 25     |
| xiv   | Apr. 16 | 17 | 18      | 19 | 13      | 14      | 15     |
| xv    | Apr. 2  | 3  | 4       | 5  | 5       | 7       | 8      |
| xvi   | Mar. 16 | 27 | 28      | 22 | 23      | 24      | 25     |
| xvii  | Apr. 16 | 10 | 11      | 12 | 13      | 14      | 15     |
| xviii | Apr. 2  | 3  | 4       | 5  | mar. 30 | 31      | apr. 1 |
| xix   | Apr. 23 | 24 | 18      | 19 | 20      | 21      | 22     |

| Year<br>of our<br>Lord | 1698 | 1699 | 1700 | 1701 | 1702 | 1703 | 1704 |
|------------------------|------|------|------|------|------|------|------|
|------------------------|------|------|------|------|------|------|------|

| G.N. | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|------|---|---|----|----|----|----|----|
|------|---|---|----|----|----|----|----|

| D. Le. | B | A | GF | E | D | C | BA |
|--------|---|---|----|---|---|---|----|
|--------|---|---|----|---|---|---|----|

Swallow 1701.

The Names of the principal Fairs in England, as they have heretofore been set forth by others, and are now Corrected and continued for the common good.

January.

THE 5 day at Hicetford in Lancashire, the 6 day at Salisbury, Tuesday after at Melton-Mowbray, the Thursday after at Banbury: the third Tuesday in January at Potton: the 25 at Gravesend, Bristol, Churchinford, Northallerton in Yorkshire every Wednesday from Christmas till June.

February.

The 1 day at Bromley in Lancashire, the 2 at Reading in Berkshire, at Maidston, Bicklesworth, Bicklesfield, Bath, Lyn, Bugworth: the 6 day at Stafford for 6 days: the 14 at Oundle, Feverham: 24 at Henley upon Thames, Baldock: On Ashwednesday at Royston, Dunstable, Eaton, Tamworth, Tunbridg, Lichfield, Exeter, Ciceter. The first Thursday in Lent at Banbury: the 26 at Stanford an Horse Fair.

March.

The 3 day at Bromel-brakes in Norfolk, 4 at Bedford, at Oakham: 12 at Alsome in Norfolk, Sudbury, Wooburn, Stanford, at Wye: 13 at Bodwin in Cornwall: 20 at Durham. Alesbury: Munday before our Lady day at Kendal, at Wisbich. 25 at Huntington, Northampton, Malden, Ashwell in Hartfordshire, Newcastle, Oney, S. Albans: Midlent Saturday at Saffron-Walden: Palmsunday-eve at Wisbich, Worcester, Pomfret, on Goodfriday at Norwich, the Tuesday before Easter at Potton.

April.

Easter Munday at Oney in Bedfordshire, Gainsborough. Easter Tuesday at Dainery in Northamptonshire, Godmanchester, Schole in Norfolk, S. Edmunds-bury. On Wednesday at Wellingborough in Northamptonsh. On Friday in

## Swallow 1701

In the same week at Darby. On Saturday at Bicklesworth  
 5 day at Hitchin, at Rochford, Northfleet: 5 at Walling-  
 ford: 7 at Derby, 9 at Billingsworth, Bicklesworth: the  
 22 at Stabford, 23 at Ipswich, Harbin in Norfolk, North-  
 ampton, Sapsar in Hartfordshire, Charing, Hunningham,  
 Tamworth, Bury in Lancashire. S<sup>r</sup> Pombs in Cornwall,  
 Ampchill, Chichester, Engfield, Gilford, Bishops-Hatchfield:  
 the 25 at Buckingham, at Bourn in Lincoln. at Colebrook,  
 Dunsow in Essex, Darby, Oakham in Rutlandshire: the 29  
 at Tenderden in Kent, Cleet, 30 at Beverly 2 week together,  
 May.

The 1 day at Swaffam, Haveril in Essex, Laytonbuzzard  
 in Huntingdonshire, Rippon in Yorks. Reading, Maidstone,  
 Chelmsford, Leicester, Litchfield, Loxfield in Suffolk, Scow,  
 Stansted, Tuxford in the Clay, the 3 day at Elstow in  
 Bedfordshire, Nonceton in Warwick. Thetford in Nor-  
 folk, Waltham Abby, Hunningham, Rochdale, Bramyard,  
 the 6 at Almsbury, at Ashford, 7 at Newton in Lanca-  
 shire, Beverly, Oxford, Bath: the 8 at Maidstone: the 11,  
 12, 13 at Applethaw, 15 at Rochester, Dunstable, Magfield  
 in Suffolk. On Rogation Munday at Reach. On Ascension  
 day at Thaxted, Beverly, Rippon, Sudminster, Bishopstra-  
 ford, S. Neots, Wickham in Lancashire, Middlewich in  
 Cheshire, Chappel-Frich in Darbish. On Whitsun-even  
 at Skipton in Craven. On Whitsun-Munday at S. Ives,  
 Bygate in Surry, Bicklesworth, Bradford, Agmunham  
 in Buckinghamsh. On Whitsun-Tuesday at Newmarket. On  
 Wednesday at Royton. Thursday at Oundle in Nor-  
 thamptonsh. 26 at Lenham, 29 at Crainbrook.

## June.

Trinity-even at Rowel, Kendal. On Corpus Christi day  
 at Banbury, Bishopstrotford, S. Neots, Coventry, Newbu-  
 ry. The 3 at Aylesbury: 5 at Maidstone. 11 at Brene in  
 Norfolk, Bardfield in Essex. 17 at Hadstock, 23 at S. Al-  
 bans, Deernham in Norfolk, Shrewsbury, 24 at Halton in  
 Suffolk, Barnwel by Cambridge, Bedford, Colchester,  
 Hartford.

## Swallow 1701.

Hartford, Leicester, Rumford, Reading, Windsor, Hallifax, York, Beverly, Haslingden, 16 at Bristol, Darby, 17 at Burton on Trent, Follstone, 18 at S. Pombs in Cornw. 19 at Peterborough, Ashwel, Sudbury, Stebbing in Essex, Benington in Hartfordshire.

### July.

The first Tuesday at Potton. The 1, 2, 3 days at Congestone in Cheshire, 7 at Royston, Burntwood. The Monday after at Fodringham, at Canterbury: the 11 at Partney, 12 at Stevenage: 16 at Uxbridge, Coolidge, Woodstock. The 22 at Ickleton, Bicklesworth, Norwich, Colchester, Newark upon Trent: 25 at Audley-end by Walden, Realing, Baldock, Darby, Dover, Eritia, Ipswich, Stamford.

### August.

The first day at Bedford, S. Neots, Dunstable, Feverham, Wisbich, Bicklesworth, Thaxted: the 6 at Peterborough: the 10 at Blackmore, Harply in Norfolk, S. Ives, Bedford, Banbury, Farnham, Brainford, Owndle: the 15 at Cambridge, Huntingdon, Dunmow, Lucon, Northampton: the 24 at London, Sudbury, Norwich, Oxford, Northallerton, Dover, Beggars-bush, Burton, the 28 at Ashford, Daintry: the 29 at Halson in Suffolk, Harlow-Bush in Essex, Watford.

### September.

The first day at S. Giles in the Bush. On Thursday and Friday before the 8 day at Sandback in Cheshire. 7, 8, 9, 10 at Woodbury-hill in Dorsetshire, 7 at Ware, 8 at Huntingdon, Bury in Lancashire, Partney, Wakefield, Northampton, Sturbridge fair begins: The 11 at Woolpit in Suff, 14 at Rippon, Waltham-Abby, Chesterfield in Darbshire, Richmond: the 21 at Marlborough, Bedford, Baldock, S. Edmundsbury, Holden in Holderness, Braintry, Brackly-Maiden, Malden, Mildnal: the 29 at S. Ives, Basingstoke, Marketdeeping, Shelford in Bedfordsh. Bilbopstratford, Malden, Stow in Lincolnsh. S. Albans, Canterbury, Leicester, Newbury, Westchester, Weymer for 7 days: Thursday after at Banbury.

October.



# Swallow 17 I.

## October.

The 1 day at Salisbury, the 6 at Havent in Hampf. Maidstone, Coolidge, Gayworth by Lyn, St Faiths by Norwich: the 8 at Bishopstrectford, Harborough, 9 Gainsborough: the 13 at Wintor, Colchester, Gravesend, Hitchin, Royston: the Tuesday before S. Luke at Potton: 18 at Ely, Bishop Hatfield, Barner, Banbury, Thrift, Burton, on Trent, Wellinborough: the 21 at Saffron Walden, Coventry: the 23 at Bicklesworth, 24. 25, 26. at Applethorpe, 28 at Newmarker Hartford, Oxford, Disf, Wakefield, Sharnford, Richdale, in Lancashire. The 2<sup>d</sup> Wednesday in October and Wednesday in Easter week, at Southall in Middlesex.

## November.

The 1 day at Chelmsford, 2 at Epping, Kingston on Thames, Padamhaston in Suffolk, 6 at Newport pond, Bedford, Hartford, 11 at Ludden in Norfolk, Lenton in Nottinghamshire, Hempton, Fockingham, Bridgestock, Marlborough: the 17 at Spalding in Lincolnsh. Lincoln, Harlow, Hide, Northampton: the 19 at Horsham in Kent: the 20 at S. Edmundsbury, Ingeriton in Essex, Heath, the 23 at Sandwich, the 30 at Baldock, Bareford, Kolingborough, Maidenhead, Warrington, Rochester, Wakefield, York.

## December.

The first day at Tutbury: the 5 at Pluckley: the 9 at S. Neons, at Woodstock, Exeter, Spalding, Norwich in Cheshire, Seven-oak in Kent, Arundel, Grantham: the 7 at Sandhurst, the 8 at Northampton, Clitheral in Lancashire, Hunnington, Leicester, at Malpas in Cheshire: the 19 at Canterbury, Salisbury.

## Advertisements.

**B**reman's true Spirit of Scurvy-Grass, both plain and Golden, is long famous for the cure of the Scurvy, Gout, Dropie, and several other Chronical Defeates, are still prepared by John Hooker and Partner, and sold by them at their house in Pauls Church-yard Doctors Commons. price 1 s. each Bottle.

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